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               Kline, Kimberly
               Sanders, Bob G.
               Yu, Weiping
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ccttgccgtc ccaagcaatg gatgatttga tgctgtcccc ggacgatatt
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agaggetget ecceegtgg eccetgeace ageageteet acaceggegg
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cccctgcacc agccccctcc tggcccctgt catcttctgt cccttcccaq
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aaaacctacc agggcagcta cggtttccgt ctgggcttct tgcattctqq
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gacagecaag tetgtgaett geaegatgtt ttgecaaetg gecaagaeet
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gacagaaaca cttttcgaca tagtgtggtg gtgccctatg agccgcctga
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cctgcatggg cggcatgaac cggaggccca tcctcaccat catcacactg
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gaagactcca gtggtaatct actgggacgg aacagctttg aggtgcatgt
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agaaagggga gcctcaccac gagctgcccc cagggagcac taagcgagca
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ctgcccaaca acaccagctc ctctccccag ccaaagaaga aaccactgga
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tggagaatat ttcacccttc agatccgtgg gcgtgagcgc ttcgagatgt
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tccgagaget gaatgaggee ttggaactca aggatgeeca ggetgggaag
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gagccagggg ggagcagggc tcactccagc cacctgaaqt ccaaaaaqqq
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Ser Pro Asp Asp Ile Glu Gln Trp Phe Thr Glu Asp Pro Gly Pro
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                                      55
Asp Glu Ala Pro Arg Met Pro Glu Ala Ala Pro Pro Val Ala Pro
Ala Pro Ala Ala Pro Thr Pro Ala Ala Pro Ala Pro Ala Pro Ser
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Trp Pro Leu Ser Ser Ser Val Pro Ser Gln Lys Thr Tyr Gln Gly
                  95
                                     100
Ser Tyr Gly Phe Arg Leu Gly Phe Leu His Ser Gly Thr Ala Lys
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Ser Val Thr Cys Thr Met Phe Cys Gln Leu Ala Lys Thr Cys Pro
Val Gln Leu Trp Val Asp Ser Thr Pro Pro Pro Gly Thr Arg Val
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Arg Ala Met Ala Ile Tyr Lys Gln Ser Gln His Met Thr Glu Val
                 155
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Val Arg Arg Cys Pro His His Glu Arg Cys Ser Asp Ser Asp Gly
                 170
                                     175
Leu Ala Pro Pro Gln His Leu Ile Arg Val Glu Gly Asn Leu Arg
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                                                          195
Val Glu Tyr Leu Asp Asp Arg Asn Thr Phe Arg His Ser Val Val
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Val Pro Tyr Glu Pro Pro Glu Val Gly Ser Asp Cys Thr Thr Ile
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His Tyr Asn Tyr Met Cys Asn Ser Ser Cys Met Gly Gly Met Asn
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                                     235
Arg Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu Asp Ser Ser Gly
                 245
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Asn Leu Leu Gly Arg Asn Ser Phe Glu Val His Val Cys Ala Cys
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                                     265
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Pro Gly Arg Asp Arg Thr Glu Glu Glu Asn Leu Arg Lys Lys
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Gly Glu Pro His His Glu Leu Pro Pro Gly Ser Thr Lys Arg Ala
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Leu Asp Gly Glu Tyr Phe Thr Leu Gln Ile Arg Gly Arg Glu Arg
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Phe Glu Met Phe Arg Glu Leu Asn Glu Ala Leu Glu Leu Lys Asp
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Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser
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His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
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gtcagatcct
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Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro Glu Asn Asn
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Ser Pro Asp Asp Ile Glu Gln Trp Phe Thr Glu Asp Pro Gly Pro
Asp Glu Ala Pro Arg Met Pro Glu Ala Ala Pro Pro Val Ala Pro
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Ala Pro Ala Ala Pro Thr Pro Ala Ala Pro Ala Pro Ala Pro Ser
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                                      85
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Trp Pro Leu Ser Ser Ser Val Pro Ser Gln Lys Thr Tyr Gln Gly
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                                     100
                                                          105
Ser Tyr Gly Phe Arg Leu Gly Phe Leu Ser Gly Thr Ala Lys Ser
                                      115
                                                          120
Val Thr Cys Thr Tyr Ser Pro Ala Leu Asn Lys Met Phe Cys Gln
                 125
                                     130
                                                          135
Leu Ala Lys Thr Cys Pro Val Gln Leu Trp Val Asp Ser Thr Pro
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                                     145
                                                          150
Pro Pro Gly Thr Arg Val Arg Ala Met Ala Ile Tyr Lys Gln Ser
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                                     160
Gln His Met Thr Glu Val Val Arg Arg Cys Pro His His Glu Arg
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                                     175
Cys Ser Asp Ser Asp Gly Leu Ala Pro Pro Gln His Leu Ile Arg
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Val Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp Arg Asn Thr
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Ser Asp Cys Thr Thr Ile His Tyr Asn Tyr Met Cys Asn Ser Ser
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.Cys Met Gly Gly Met Asn Arg Arg Pro Ile Leu Thr Ile Ile Thr
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                                      250
Leu Glu Asp Ser Ser Gly Asn Leu Leu Gly Arg Asn Ser Phe Glu
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Val Arg Val Cys Ala Cys Pro Gly Arg Asp Arg Arg Thr Glu Glu
                 275
                                      280
Glu Asn Leu Arg Lys Lys Gly Glu Pro His His Glu Leu Pro Pro
                 290
                                      295
                                                           300
Gly Ser Thr Lys Arg Ala Leu Pro Asn Asn Thr Ser Ser Ser Pro
                 305
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Gln Pro Lys Lys Pro Leu Asp Gly Glu Tyr Phe Thr Leu Gln
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Ile Arg Gly Arg Glu Arg Phe Glu Met Phe Arg Glu Leu Asn Glu
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Ala Leu Glu Leu Lys Asp Ala Gln Ala Gly Lys Glu Pro Gly Gly
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Ser Arg Ala His Ser Ser His Leu Lys Ser Lys Lys Gly Gln Ser
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Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro Glu Asn Asn
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Ser Pro Asp Asp Ile Glu Gln Trp Phe Thr Glu Asp Pro Gly Pro
Asp Glu Ala Pro Arg Met Pro Glu Ala Ala Pro Pro Val Ala Pro
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Ala Pro Ala Ala Pro Thr Pro Ala Ala Pro Ala Pro Ala Pro Ser
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                  80
                                       85
Trp Pro Leu Ser Ser Ser Val Pro Ser Gln Lys Thr Tyr Gln Gly
                  95
                                      100
Ser Tyr Gly Phe Arg Leu Gly Phe Leu Ser Gly Thr Ala Lys Ser
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Gln Leu Trp Val Asp Ser Thr Pro Pro Pro Gly Thr Arg Val Arg
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Ala Met Ala Ile Tyr Lys Gln Ser Gln His Met Thr Glu Val Val
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Arg Arg Cys Pro His His Glu Arg Cys Ser Asp Ser Asp Gly Leu
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Ala Pro Pro Gln His Leu Ile Arg Val Glu Gly Asn Leu Arg Val
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                                     190
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Glu Tyr Leu Asp Asp Arg Asn Thr Phe Arg His Ser Val Val Val
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                                     205
Pro Tyr Glu Pro Pro Glu Val Gly Ser Asp Cys Thr Thr Ile His
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                                     220
Tyr Asn Tyr Met Cys Asn Ser Ser Cys Met Gly Gly Met Asn Arg
                 230
                                     235
Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu Asp Ser Ser Gly Asn
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Leu Leu Gly Arg Asn Ser Phe Glu Val Arg Val Cys Ala Cys Pro
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                                     265
                                                          270
Gly Arg Asp Arg Arg Thr Glu Glu Asn Leu Arg Lys Lys Gly
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                                     280
Glu Pro His His Glu Leu Pro Pro Gly Ser Thr Lys Arg Ala Leu
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                                     295
Pro Asn Asn Thr Ser Ser Pro Gln Pro Lys Lys Pro Leu
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                                     310
Asp Gly Glu Tyr Phe Thr Leu Gln Ile Arg Gly Arg Glu Arg Phe
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                                     325
Glu Met Phe Arg Glu Leu Asn Glu Ala Leu Glu Leu Lys Asp Ala
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Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser
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